



Metadata

LAKECORES



Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>
Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *LAKECORES*

type of dataset ([more information](#)): *others*

specify: *Metadatabase*

data type: *descriptive data*

short description of the dataset/summary:

A meta-database for information about lake sediment cores. The database brings together published information about lake sediment cores that have been used to reconstruct the recent ecological history of lakes in Europe.

science keywords according to [GCMD](#):

topic: *Biosphere, Terrestrial Hydrosphere*

keywords: *lake sediment cores, ecological history, lakes*

ISO topic category according to [ISO 19115](#):

Environment, Geoscientific Information, Inland Waters

Technical and administrative specifications

data format: *MySQL*
operating system: *Linux*
current access level: *web (public)*
currently available through [GBIF](#): *no*
exchange planned: *no*
update level: *continuously updated*

documentation:

Do you plan to publish the data on the Freshwater Biodiversity data portal:

contact details:

metadata contact person:

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technical contact person:

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scientific contact person:

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email: *hbennion@geog.ucl.ac.uk*

comments:

*Our intention in the future is to extend the database globally by enabling labs holding equivalent information to register data about their own sites on line. Ultimately LAKECORES will be used by LIMPACS (website) in its ongoing assesement of lake ecosystem change worldwide.
[Metadata were harvested from the WISER metadatabase (<http://www.wiser.eu/results/meta-database/details.php?id1=59&id2=51>) by the BioFresh team.]*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

data contributors to/owners of this dataset:

single

criteria for using the data in a publication/scientific analysis:

The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.

citation of this dataset:

title:

*<http://www.wiser.eu> - Water Bodies in Europe: Integrative Systems to assess Ecological status and Recovery (Version **).*

year:

year of access

version (if applicable):

version number from website

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *continental*

continents: *Europe*

countries: *Europe: Austria, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Iceland, Ireland, Italy, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, United Kingdom*

comments: *Faroe Islands, Russia*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): *No datum available*

site coding available: *no*

alphanumerical

example: *No codes - site name only*

number of sites:

100 - 1000

exact number of sites: *975*

comments:

Not all sites have comprehensive set of specifications.

Climate and environmental data

climate related data:

environmental data:

available parameters per site: *maximum depth*

physico-chemistry data: *total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium, hardness, alkalinity, water temperature, pH, conductivity, chlorophyll, colour, euphotic depth*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no			
hydromorphological degradation	no			
acidification	no	no		

Biological data

biological data origin:

organism group addressed:

macro-invertebrates (Chironomidae), zooplankton, (benthic) diatoms, other group(s)

comments:

LAKECORES is a sediment core database which includes cores analysed for some of the following proxies: i) Diatoms; ii) Cladocera / Zooplankton; iii) Chironomids; iv) Pollen; and v) Chrysophytes

Sample specifications/sample resolution

macro-invertebrates:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

comments:

LAKECORES comprises meta-data relating to sub-fossil sediment samples (surface sediment and downcore sub-sampling) identified mainly to species level. Season or timeframe is not relevant in this case.

zooplankton:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

comments:

LAKECORES comprises meta-data relating to sub-fossil sediment samples (surface sediment and downcore sub-sampling) identified mainly to species level. Season or timeframe is not relevant in this case.

(benthic) diatoms:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

comments:

LAKECORES comprises meta-data relating to sub-fossil sediment samples (surface sediment and downcore sub-sampling) identified mainly to species level. Season or timeframe is not relevant in this case.

other group(s):

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

comments:

LAKECORES comprises meta-data relating to sub-fossil sediment samples (surface sediment and downcore sub-sampling) identified mainly to species level. Season or timeframe is not relevant in this case.

Other specifications

availability of photos: *no*

availability of maps: *yes*

quality control procedures:

comments:

Map of core locations available. Information on corer type and dating method also available. Querying facility at online database (http://www.eurolimpacs.ucl.ac.uk/component/option,com_wrapper/Itemid,52/) limited. The underlying ACCESS database can accommodate more complex queries and it is hoped to transfer this capability to the web interface in future.